Title (en)

MICROWAVE ANTENNA SUPPORT WITH PARABOLIC REFLECTOR ADJUSTABLE IN ELEVATION

Publication

EP 0235561 B1 19910814 (DE)

Application

EP 87101080 A 19870127

Priority

DE 3605860 A 19860224

Abstract (en)

[origin: EP0235561A1] The device is based on a standpipe holder for microwave antennas with flat reflectors, which has a retaining part fitted to the rear side of the reflector (2), which retaining part can be swivelled with respect to a swivelling part (1) attached to the standpipe (9), by means of an adjustable screw device (34,35,36), for adjusting the elevation angle of the antenna about an axis of rotation (D), which passes horizontally through the mutually parallel swivels (4,5) of the retaining part and of the swivelling part, perpendicular to the main direction of radiation. In order to facilitate simple and cost-effective construction for such a holder and hence a small packaging size, without any parts that can be lost, together with rapid, safe installation and the ability to adjust the elevation angle, it is provided that the retaining part consist of two ribs (3), which form one piece with the flat reflector and are parallel to each other and to the main direction of radiation, that only one continuous bolt (6) be provided as the axis of rotation, on which the swivelling part can be placed such that it can be locked, and that a threaded pin (36) is pivoted on a rib, at a distance from the axis of rotation and such that it can be fixed, and a nut (35) can be rotated on the threaded pin (36) for adjusting the elevation angle of the antenna, which nut (35) engages with a torus (34) in a slot in the swivelling part. <IMAGE>

IPC 1-7

H01Q 1/12

IPC 8 full level

H01Q 1/12 (2006.01)

CPC (source: EP)

H01Q 1/125 (2013.01)

Cited by

EA019799B1; CN112259953A; EP0880195A1; US6031508A; GB2307349A; US5952979A; GB2307349B; WO9733339A1; WO9844584A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0235561 A1 19870909; **EP 0235561 B1 19910814**; AT E66317 T1 19910815; DE 3605860 C1 19870820; DE 3772067 D1 19910919; DK 168139 B1 19940214; DK 90187 A 19870825; DK 90187 D0 19870223; ES 2025071 B3 19920316

DOCDB simple family (application)

EP 87101080 A 19870127; AT 87101080 T 19870127; DE 3605860 A 19860224; DE 3772067 T 19870127; DK 90187 A 19870223; ES 87101080 T 19870127